

THE N-BOMB

AFTER the A-bomb and the H-bomb, what next?

The world may have to reckon with the N-bomb—the N-for-Neutron bomb.

It has been considered in America. It may be on Russian drawing-boards, too.

And Krushchev's decision to resume H-tests may speed its development.

What is the difference between an A-bomb, an H-bomb and a Neutron bomb?

● **THE A-BOMB** works like this... Inside the casing, chunks of uranium or plutonium are hurled together, producing an explosion that releases tremendous energy in heat and blast.

This destroys buildings over a big area. People are killed either by heat and blast, or by atomic radiation.

The 'Match'

● **THE H-BOMB** uses an A-bomb as a "match" to set fire to quantities of hydrogen inside the bomb casing.

The blast and heat produced are many times greater than the A-bomb. So, too, is the extent of damage and death.

● **THE N-BOMB** is really an A-bomb that has been deliberately "slowed down"... instead of the elements being hurled together to produce heat and blast, they come together more slowly, releasing a powerful stream of atomic "bullets" called neutrons.

These cannot be seen, heard or felt. They kill people by destroying the body's ability to produce healthy blood cells.

Horribly...

Those near the centre of an N-bomb blast would die quickly. Those on the fringes would die slowly and horribly.

THE N-bomb could be the next terrible step after the Soviet S-for-Super bomb which—Mr. Krushchev said on Wednesday—

Will Russia's tests lead to a new horror-weapon?

Russian scientists intend to develop and test.

The S-bomb is a gigantic H-bomb, said, by Krushchev, to have a destructive power equalling 100,000,000 tons of TNT.

This is **SEVEN TIMES** more powerful than the biggest H-bomb yet exploded. When the Americans let off this bomb in 1954, a whole Pacific island disappeared.

And Mr. K.'s S-bomb will be **FIVE THOUSAND TIMES** more destructive than the A-bomb that destroyed Hiroshima in 1945.

The S-bomb would destroy its target city. Deadly radio-active fall-

N-bomb argument, say the scientists, is to make one, try to explode it, and see what happens.

U.S. Decision

After Krushchev's declaration of new tests, the danger was that President Kennedy would reverse the American Administration's previous refusal to allow N-bomb research to go beyond the drawing-board stage.

Developing the N-bomb, said the Americans, would give the Russians a tremendous propaganda weapon against America.

But last night President Kennedy said the US had enough nuclear weapons to defend herself and the free world.

What of Britain? The main emphasis has been on developing methods of detecting under-the-counter H-tests, carried out either in Space or under ground.

Tremendous strides have been made in perfecting two all-British devices.

The first is a super "eye" that can spot and measure any Space blast.

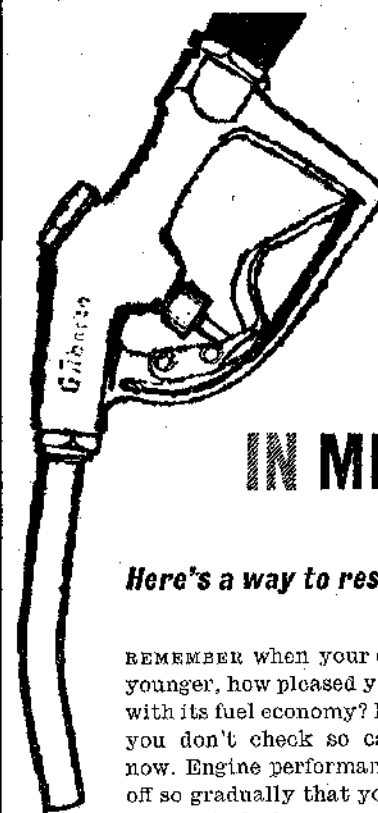
Super 'Ear'

The second is a super "ear," capable of distinguishing between an underground atomic explosion and a small earth tremor.

And the Russians? A scientist told me last night he expected they would test their big bombs in Space, where radio-active "fall-out" would not affect the earth.



**H
BOMB**



**IS YOUR CAR
GIVING YOU
FULL VALUE
IN MILES PER GALLON?**

Here's a way to restore economy—and performance

REMEMBER when your car was younger, how pleased you were with its fuel economy? Perhaps you don't check so carefully now. Engine performance falls off so gradually that you don't notice. And when power is lost, it means petrol is being wasted.

For efficient performance and economy, the first essential is a good hot spark in every cylinder, every time. Modern spark plugs are amazingly durable, but they are exposed to violent stresses.

Each time your engine fires, there is sudden, scorching furnace heat of up to 4,000 degrees Fahrenheit—heat that would melt a bar of iron. At the same instant a 12,000-volt miniature

lightning-flash tears at the electrodes; and corrosive gases are hurled in a crushing blast at 1,000 lb. per square inch against the firing end of the spark plug.

Even at 30 m.p.h., your engine fires sixty times a second! No wonder even the finest plugs—Champions—wear out in time.

So have your plugs checked, cleaned, and the gaps re-set, at 5,000 miles. And at 10,000 miles fit a new set of Champions. It's a tonic for your engine! You'll get instant starting, feel a new surge of power—and you'll soon save the cost in petrol alone.

ONLY 5/- EACH



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CHAMPION

spark plugs every 10,000 miles

By appointment to
H.M. The Queen
suppliers of
sparkling plugs

CHAMPION SPARKING PLUG COMPANY LIMITED, FELTHAM, MIDDLESEX

Good tip for the tourist!

I WAITED to hire a taxi which was being paid off by a previous fare—a middle-aged American tourist and his wife.

There was six shillings on the meter and the American — not too sure about the value of English £ s d — handed over a ten-shilling note and asked if that would cover the fare and a tip. "It's too much, mate," said the driver, handing back half a crown. "You won't have much money left to see England if you throw your money about like that."

What an excellent impression that American couple must have of our country.—T. F. G., Elstree, Herts.

RUBBISH

I THINK David Hardwick's suggestion that the Boy Scout and Girl Guide Movements should be ended (Marjorie Proops, Wednesday) is utter rubbish.

"Messing about with string and lighting fires without matches," which he disparages, can come in handy if you are stranded in the wilds—which is what happens to many people. — Senior

Scout J. Drake, London, S.E.23.

BIG BOYS

"TEST old drivers once a year," says a bus driver (Viewpoint, Tuesday). I've got a better idea. Test bus drivers every six months. You can't beat the "pull-out, cut-in, I'm bigger than you" boys for audacity.—G. W. Leonard, Hadleigh, Essex.

CHEEK!

SO Mr. Hood (Viewpoint, Wednesday) thinks women should take lessons to prepare for marriage.

Cheek! We feel he would have less cause to complain if he, and the rest of the males, took a few lessons

on how to treat women. Most men know that a wife is the cheapest form of labour. What they don't appear to know is that a kind word and a gentle manner work wonders with women.—Three Disillusioned Females, Luton, Beds.

TWISTWORDS

Find two words which mean the opposite of **REJOICED** and **RECEIVE** and rearrange the letters of the new words to give a nine-letter word meaning perceived.

Yesterday's solution: The opposites were **ABETS** (hinders) and **PERT** (shy). Twistword was **BESPATTER**.

VIEWPOINT